

	Application No.	Applicant(s)
	Application No.	Applicanitis
Notice of Allowability	10/770,627	TOKUI ET AL.
Notice of Allowability	Examiner	Art Unit
	Ida M. Soward	2822
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>he preliminary amend</u>	dment filed March 26, 2004.	
2. X The allowed claim(s) is/are 1-7.		
3. The drawings filed on <u>04 February 2004</u> are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in the	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the draw he header according to 37 CFR 1.121	ings in the front (not the back) of (d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)		
1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal F	Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 2-4-04 & 2-27-04	Paper No./Mail Da 08), 7. ☐ Examiner's Amend	ment/Comment
4. Examiner's Comment Regarding Requirement for Deposit	<u> </u>	ent of Reasons for Allowance
of Biological Material	9.	Dial Ly
	<u> </u>	Michael Trinh
·		Primary Examiner Act SPE
	·	HET STE

DETAILED ACTION

This Office Action is in response to the preliminary amendment filed March 26, 2004.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Allowable Subject Matter

Claims 1-7 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose, make obvious, or otherwise suggest the structure of the applicant's together with the other limitations of the independent claims, such as a memory cell array formed by using nonvolatile memory elements; a voltage supply circuit for generating a voltage supplied to the memory cell array; a voltage polarity inversion circuit for inverting a polarity of the voltage generated by the voltage supply circuit; and a first voltage value detection circuit for detecting a value of the voltage supplied from the voltage polarity inversion circuit to the memory cell array; and a memory-function body formed on both sides of the gate electrode and having a function

Application/Control Number: 10/770,627

Art Unit: 2822

.

of holding electric charges or a polarization. The dependent claims being further limiting

and definite are also allowable.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

The following patents are cited to further show the state of the art with respect to

semiconductor storage devices:

Baker (4,074,239)

Harari (4,417,325)

Ooishi (US 2001/0040834 A1)

Raffel et al. (4,384,299)

Takahashi et al. (US 6,778,422 B2)

Tanaka et al. (US 2002/0041531 A1).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ida M. Soward whose telephone number is 571-272-

1845. The examiner can normally be reached on Monday - Thursday 6:30am to

5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 571-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMS May 13, 2005

Michael Trinh Primary Examiner